

## REMARKS

Original claims 3-5, 10-11, 13-19 and 22 were withdrawn without prejudice. Claim 23 has been allowed. Claims 7-9 were objected to for improper dependent form. Claims 1-2 were rejected under 35 U.S.C. 103(a) as obvious under *Wilson* (US 3,860,816). Claims 6-9, 12, 20-21 and 24 were rejected under 35 U.S.C. 103(a) as obvious under *Wilson*, and further in view of *Jorro* (US 4,945,233). The drawings were objected to for lacking features of the claimed invention.

Independent claims 1, 12, 20, 23 and 24 have been amended to clarify the invention. More specifically, language has been added to point out that the calibration substances are internally disposed within a channel in a tool proximate the sensor. These amendments obviate the drawing objection. No new matter has been introduced by these amendments. Support for the amendments is found in the originally filed specification and provisional application No. 60/345,615.

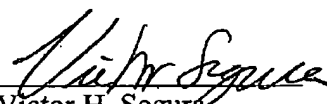
Expressly missing from *Wilson* and *Jorro* is any discussion regarding the implementation of calibration substances disposed internally within the tool to determine the sensor responses to calibrate the sensor. The patent law makes clear that to establish obviousness, "all the claim limitations must be taught or suggested by the prior art." MPEP 2143.03 (citing *in re Royka* 490 F.2d 981, 180 U.S.P.Q. 580 (CCPA 1974)). Applicants submit that neither *Wilson* nor *Jorro* (alone or combined) teach or suggest the features of the claims as amended.

Applicants submit that amended claims 1-2, 6-9, 12, 20-21 and 24 are in condition for allowance, along with allowed claim 23, and passage to issuance is respectfully requested. If the Examiner believes that a telephone conference would be advantageous in advancing the issuance of this application, a call to the undersigned at (281) 285-4562 is encouraged.

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Respectfully submitted,

  
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